

NOTICE OF INACTIVATION
FOR NEW DESIGN

INCH-POUND

MIL-STD-1386-4(OS)
NOTICE 3
15 October 1992
SUPERSEDING
NOTICE 2
13 March 1991

MILITARY STANDARD

**LOADING OF HAZARDOUS MATERIALS AND ASSOCIATED ITEMS IN
MILVAN CONTAINERS BOMB, GENERAL PURPOSE, MK 82 & MODS (500 LBS)
FLEET ISSUE UNIT LOAD (WITH PLASTIC NOSE PLUGS)**

This notice should be filed in front of MIL-STD-1386-4(NAVY) dated 11 May 1972.

MIL-STD-1386-4(NAVY) is inactive for new design and is no longer used by the Navy except for replacement purposes.

Preparing activity:
Navy - OS

(Project 8140-N931)

AMSC N/A

FSC 8140

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MILITARY STANDARD

MIL-STD-1386-4

(Navy)

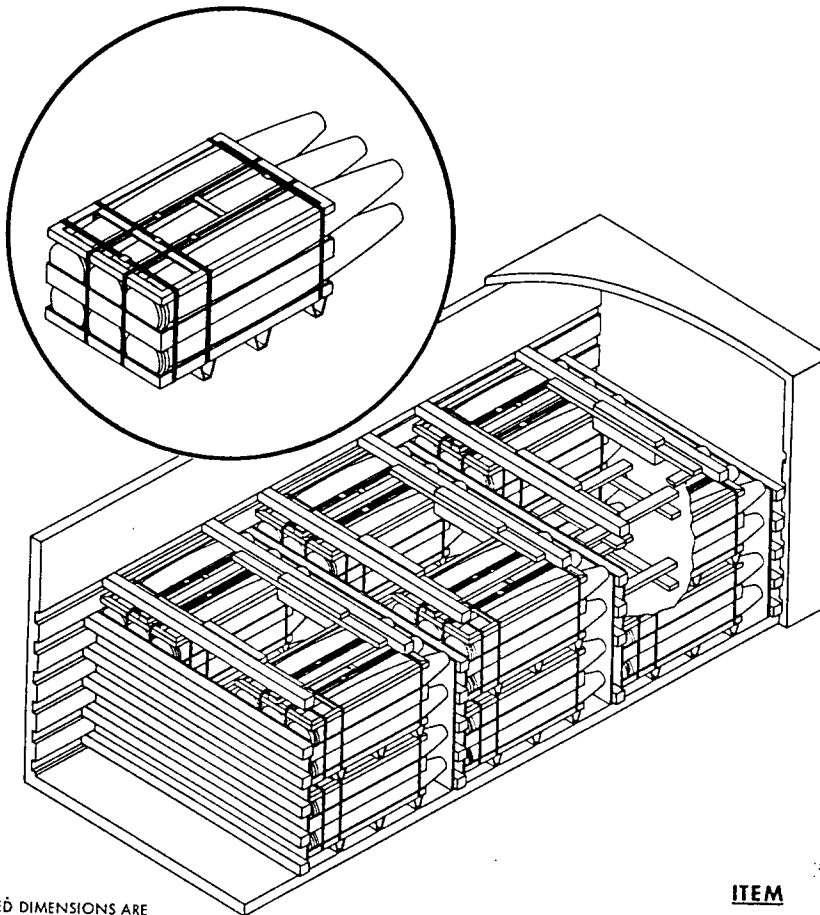
11 MAY 1972

LOADING OF HAZARDOUS MATERIALS AND ASSOCIATED ITEMS IN MILVAN CONTAINERS

BOMB, GENERAL PURPOSE, MK 82 & MODS (500 LBS)
FLEET ISSUE UNIT LOAD
(WITH PLASTIC NOSE PLUGS)

UNIT LOAD DATA

UNIT LOAD DRAWING WR-54/31
WEIGHT 3138 LBS
DIMENSIONS 61 7/8 L x 33 3/4 W x 27 H
CUBE 32.5 CU FT
DOT HAZARD CLASSIFICATION EXPLOSIVES A
COAST GUARD CLASS X A



NOTES:

1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
2. FOR CROSS REFERENCE TO ASSOCIATED PALLETIZING, TRUCKLOADING AND CARLOADING MILITARY STANDARDS, REFER TO COMPREHENSIVE INDEX NWHL NO. 4200.

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**AUTHORIZED FOR CONTAINER-ON-
FLAT-CAR (COFC), CONTAINERSHIP
AND MOVEMENT ABOARD DEPOT
(NON-PUBLIC) ROADS ONLY.**

**APPROVED BY
US COAST GUARD**

W. Schumacher CAPT USCG
DATE 7-12-72

**APPROVED BY
BUREAU OF EXPLOSIVES**

A. F. Brannum
DATE 7/24/72

SIGNATURE *M. S. Long* NWHL 7/27/72
TECHNICAL DIRECTING AGENT (TDA) DATE

SIGNATURE *J. E. Kelly* 7/24/72
(A/R) SYSCOM BY DIRECTION DATE

ORIGINATOR

A. R. Carrigan
SIGNATURE

**NAVAL WEAPONS HANDLING LABORATORY
N A D EARLE, NEW JERSEY**

GENERAL NOTES

1. THIS DOCUMENT GIVES DETAILED INSTRUCTIONS FOR LOADING THE MILVAN CONTAINER WITH FLEET ISSUE UNIT LOADS OF 500 LB MK 82 LOW DRAG BOMBS. THE UNIT LOAD SHALL BE IN ACCORDANCE WITH WR-54/31.
2. THE MILVAN SHALL BE EQUIPPED WITH A MECHANICAL LOAD-BRACING SYSTEM THAT MEETS THE REQUIREMENTS OF THE BUREAU OF EXPLOSIVES PAMPHLET 6C AND SHIPPED ON FLAT CARS THAT MEET THE REQUIREMENTS OF PAMPHLET 6C.
3. IN ADDITION TO THE BELT RAILS REQUIRED BY PAMPHLET 6C, THE MILVAN CONTAINER HAS BELT RAILS AT THE 72 AND 83 INCH HEIGHTS FROM THE CONTAINER FLOOR.

CAUTION

WHEN POSITIONING CROSSMEMBERS, MAKE A VISUAL
CHECK TO ENSURE THAT CROSSMEMBERS ARE LOCKED
SECURELY IN PLACE.

4. CONTAINERS ARE EQUIPPED WITH 25 CROSSMEMBERS. UNUSED CROSSMEMBERS MUST REMAIN WITH THE CONTAINER AND SHALL BE FASTENED INTO BELT RAILS FOR SHIPMENT.
5. THE DUNNAGE SPECIFIED IS OF NOMINAL SIZE. FOR EXAMPLE, 1 x 4 MATERIAL IS ACTUALLY 3/4 INCH THICK BY 3 5/8 INCHES WIDE AND 2 x 6 MATERIAL IS ACTUALLY 1 5/8 INCHES THICK BY 5 1/2 INCHES WIDE.
6. DUE TO THE HEIGHT OF THE CONTAINER FLOOR ABOVE THE GROUND WHEN THE CONTAINER IS ON THE MILVAN CHASSIS (APPROXIMATELY 60 3/4") THE STANDARD LOADING DOCK IS TOO LOW TO USE. A LOADING PLATFORM (APPROXIMATELY 10' x 16') SHALL BE USED TO RAISE THE DOCK LEVEL. A SUITABLE FORK LIFT TRUCK IS KEPT ON THIS PLATFORM TO LOAD FROM THE PLATFORM INTO THE CONTAINER.
7. THE UNIT LOADS ARE HANDLED FROM THE STORAGE AREA TO THE LOADING PLATFORM (SEE NOTE 6) BY A SUITABLE FORK LIFT TRUCK LIFTING FROM THE SIDE OF THE LOAD. THE UNIT LOAD IS PLACED ON THE TINES OF THE FORK LIFT TRUCK ON THE LOADING PLATFORM WITH THE BASE END AGAINST THE MAST. LOADING THE CONTAINER PROCEEDS AS FOLLOWS:
 - A. WITH THE UNIT LOAD CARRIED APPROXIMATELY SIX INCHES FROM THE FLOOR AND TILTED BACK, MOVE THE UNIT LOAD INTO THE CONTAINER TO THE DESIRED LOCATION.
 - B. LOWER THE UNIT LOAD WITH A 4 x 4 x 18 INCH PIECE UNDER AND 90 DEGREES TO THE BASE LATERAL SKID.
 - C. WITHDRAW THE TINES, THEN RAISE THE UNIT LOAD FROM THE BASE END SUFFICIENT TO REMOVE THE 4 x 4 PIECE AND LOWER TO POSITION.

WHEN UNLOADING THE CONTAINER THE PROCEDURE IS REVERSED.

8. SWAY BRACE DETAIL C IS ASSEMBLED IN PLACE. PIECE 2 IS POSITIONED INBOARD OF THE BASE END AND NOSE END PALLET SKIDS. WITH PIECES 3 AGAINST PALLET SKIDS NAIL TO PIECE 2 WITH THREE 10d NAILS PER JOINT. CUT PIECE 4 TO FIT BETWEEN PIECES 3 AND NAIL TO PIECE 2 WITH THREE 10d NAILS.
9. WHEN THE VOID BETWEEN THE CROSSMEMBER AND THE PLYWOOD SEPARATOR IS GREATER THAN ONE INCH, USE FILL MATERIAL TO SHIM BETWEEN CROSSMEMBERS AND PLYWOOD AS SHOWN IN DETAIL E.
10. SHIM, PIECE 7, IS THICKNESS TO SUIT AND MAY BE ADDED TO OR OMITTED AS REQUIRED TO SECURE LADING.
11. SPACER, PIECE B, SHALL FILL VOID BETWEEN UNIT LOADS.
12. APPLICABLE MATERIAL SPECIFICATIONS:

DUNNAGE LUMBER - FED. SPEC. MM-L-751; PLYWOOD, COMMERCIAL STANDARD, CS-45, GRADE INTERIOR C-D;
NAILS - FED. SPEC. FF-N-105, COMMON CEMENT COATED
13. AFTER BLOCKING AND BRACING HAS BEEN INSPECTED ATTACH SHIPPING DOCUMENTS INSIDE THE CONTAINER IN AN ACCESSIBLE AREA, CLOSE AND SEAL CONTAINER DOORS, AND ATTACH APPLICABLE PLACARDS TO THE OUTSIDE OF THE CONTAINER FOR THE APPROPRIATE MODE OF TRANSPORTATION AS PRESCRIBED IN OP 2165 (VOL. 1).

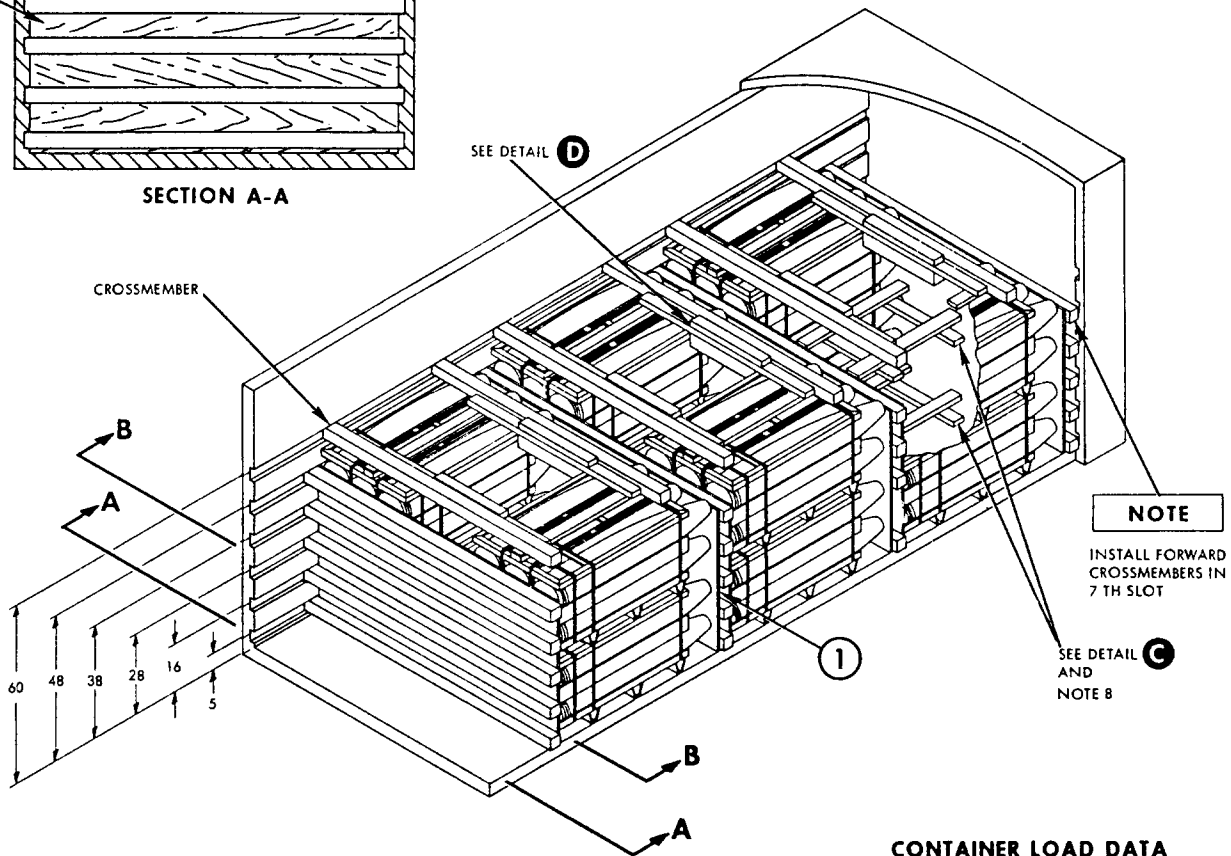
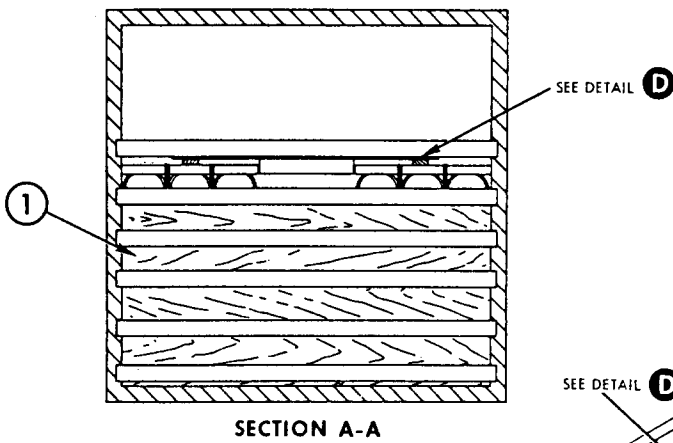
COFC AND CONTAINERSHIP

1. THE CONTAINER LOAD CONSISTS OF 12 UNIT LOADS WHICH MUST BE LOADED AND DUNNAGED IN ACCORDANCE WITH THIS DOCUMENT.

WARNING

BECAUSE THE WEIGHT LOADED INTO THIS CONTAINER EXCEEDS 34,000 LBS, THE MILVAN CHASSIS CANNOT BE USED TO TRANSPORT THE LOADED CONTAINER ON PUBLIC HIGHWAYS. THE LOADED CONTAINER MAY BE TRANSPORTED OVER DEPOT ROADS USING A MILVAN CHASSIS EQUIPPED WITH DOUBLE BOGIES OR COMMERCIAL EQUIPMENT OF APPROPRIATE CAPACITY.

2. A SEPARATOR GATE OF DIMENSIONAL LUMBER MAY BE USED AS AN ALTERNATE FOR THE PLYWOOD SEPARATOR, PIECE 1. SEE DETAIL F, PAGE 4.

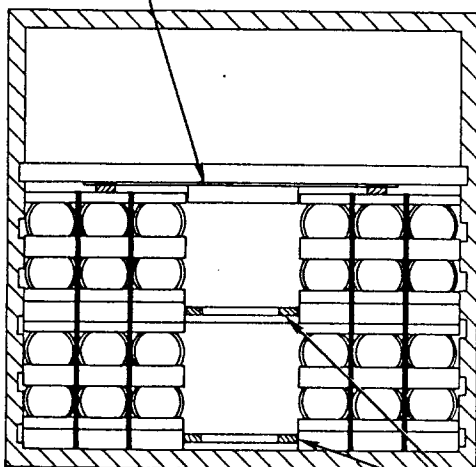


CONTAINER LOAD DATA

NUMBER OF UNIT LOADS 12
 NUMBER OF CROSSMEMBERS REQ'D 25
 LOAD WEIGHT 37,658 LBS
 DUNNAGE WEIGHT 634 LBS
 CONTAINER WEIGHT 5,700 LBS
 GROSS WEIGHT 43,992 LBS

* CW = CONTAINER WIDTH

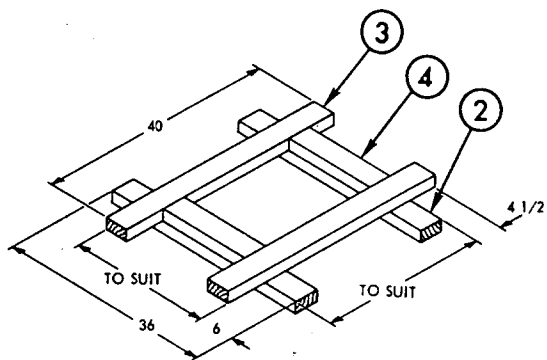
SEE DETAIL D



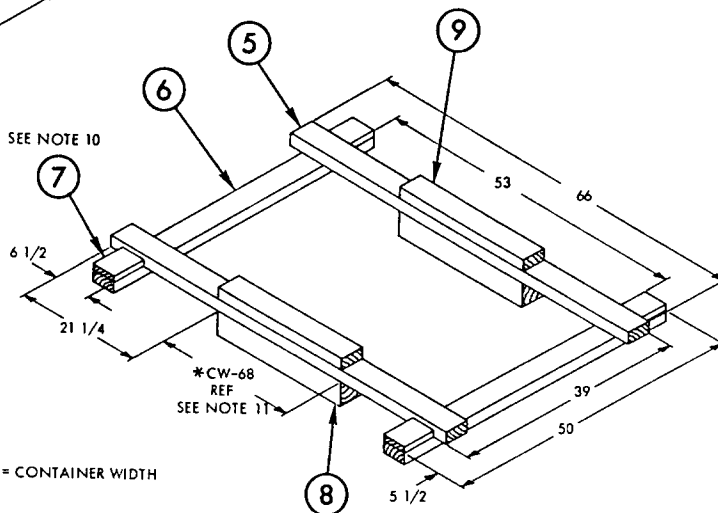
SEE DETAIL AND NOTE 8

9	RETAINER	2 x 4 x 24	6	5	3	10d
8	SPACER	4 x 4 *(CW)-68 SEE NOTE 11	6	SEE 5	-	-
7	SHIM	4 WIDE x 5-1/2 THICKNESS TO SUIT	12	6	3	TO SUIT
6	HOLD DOWN	2 x 4 x 50	6	SEE 5	-	-
5	TIE PIECE	2 x 4 x 66	6	6	3 JOINT	10d
4	SPACER	2 x 4 TO SUIT	12	8	4	16d
3	STRINGER	2 x 4 x 40	12	2	3	10d
2	SUPPORT	2 x 4 x 36	12	SEE 3 & 4	-	-
1	SEPARATOR (PLYWOOD)	1/2 x 48 x 90	6	-	-	-
PIECE NO.	DESCRIPTION	SIZE	NO. OF PIECES REQ'D	NAIL TO	NUMBER	SIZE
LIST OF MATERIALS & NAILING DATA						
					NAILS	

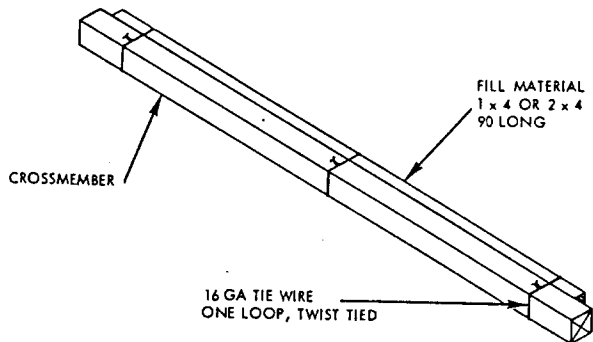
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**DETAIL C**

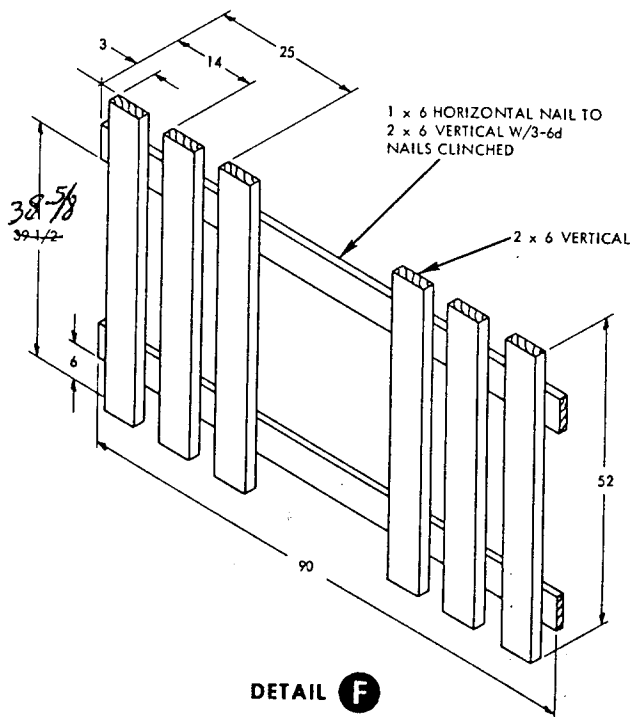
SWAY BRACE 6 REQUIRED
TO BE ASSEMBLED IN PLACE
SEE NOTE 8

**DETAIL D**

HOLD DOWN 3 REQUIRED

**DETAIL E**

FILL MATERIAL
SEE NOTE 9, PAGE 2

**DETAIL F**

ALTERNATE SEPARATOR GATE

A SEPARATOR GATE OF DIMENSIONAL LUMBER MAY BE USED AS AN ALTERNATE FOR THE PLYWOOD SEPARATOR PIECE 1.
POSITION GATE WITH 2 x 6 VERTICAL TOWARD UNIT LOAD.



MIL-STD-1386-4
Change Notice 1
16 March 1973

NAVAL ORDNANCE SYSTEMS COMMAND

DEPARTMENT OF THE NAVY

Military Standard

Containerloading

Bomb, General Purpose, MK 82 & Mods (500 LB)
Fleet Issue Unit Load
(With Plastic Nose Plugs)

This notice forms a part of MIL-STD-1386-4
(Navy) dated 11 May 1972 and is mandatory
for use by establishments of the Naval Systems
Command within the Naval Material Command.

Page 4.

1. In Detail F, delete dimension "39-1/2" and substitute "38 5/8".

Distribution

MIL-STD-1320

Preparing Activity

U.S. NAD Earle (NWHL)